

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An execution device for executing an application program created in an object-oriented language, the application program including one or more classes that each have one or more methods, and confidentiality information that corresponds respectively to the classes and that expresses whether or not~~confidentiality is necessary~~ it is necessary for the corresponding class to be confidential,

the execution device comprising:

an encryption judgment~~determination~~-unit operable to judge~~determine~~ whether or not encryption of data manipulated by a given one of the methods is necessary, with reference to the confidentiality information that corresponds to the class to which the method belongs; and

an object recording unit operable to, when the method is to be executed, record, in a memory, an object that includes the~~including~~-data that the method manipulates,

wherein, when the encryption judgment~~determination~~-unit judges~~determines~~ that encryption is necessary, the object recording unit records the object with ~~the data encrypted~~ encrypted data included therein.

2. (Original) The execution device of Claim 1, wherein

the confidentiality information further includes information showing a level of confidentiality,

the execution device further comprises an encryption method determination unit operable to, with reference to the confidentiality information, determine an encryption method, and

when the encryption determination unit judges that encryption is necessary, the object recording unit records the object with the data encrypted according to the determined encryption method.

3. (Original) The execution device of Claim 1, wherein

when overwriting the data included in the object using other data, if the data included in the object is encrypted, the other data is recorded encrypted.

4. (Original) The execution device of Claim 3, wherein

the object recorded in the memory includes information showing whether or not the data in the object is encrypted, and

when the information shows that data in the object is encrypted, the data is recorded encrypted.

5. (Original) The execution device of Claim 1, further comprising a data judgment unit operable to judge whether or not the data is data necessary for specifying an address location of other data, wherein

when the data judgment unit judges that the data is data necessary for specifying an address location of other data, encryption is suppressed.

6. (Cancelled)